

## ABSTRACT

A graphical user interface (GUI) is disclosed that allows a user to identify routers, communities, residents and media aggregation managers existing on a network. The user may interactively select a path that includes two media aggregation managers and at least one router. The GUI predicts scheduled bandwidth utilization along the selected path for a variety of residents wishing to communicate across the path. The GUI may be utilized for initializing all media aggregation managers on the network along with provisioning each of the routers on the selected path. The GUI provisions all of the routers and initializes all of the media aggregation managers on the selected path simultaneously in order to accomplish the predicted schedule of usage provided by the GUI to the user and force all communication packets communicated between the residents to travel along the selected path.

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